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(71) Applicant (for all designated States except US):  
**RECKITT, Benckiser, N.V. [NL/NL];** Kantoorgebouw  
De Appelaer, Fruittuinen 2-12, 2132 NZ Hoofddorp (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RYMER, Shaun**  
[GB/GB]; Reckitt Benckiser Corporate Services Limited,

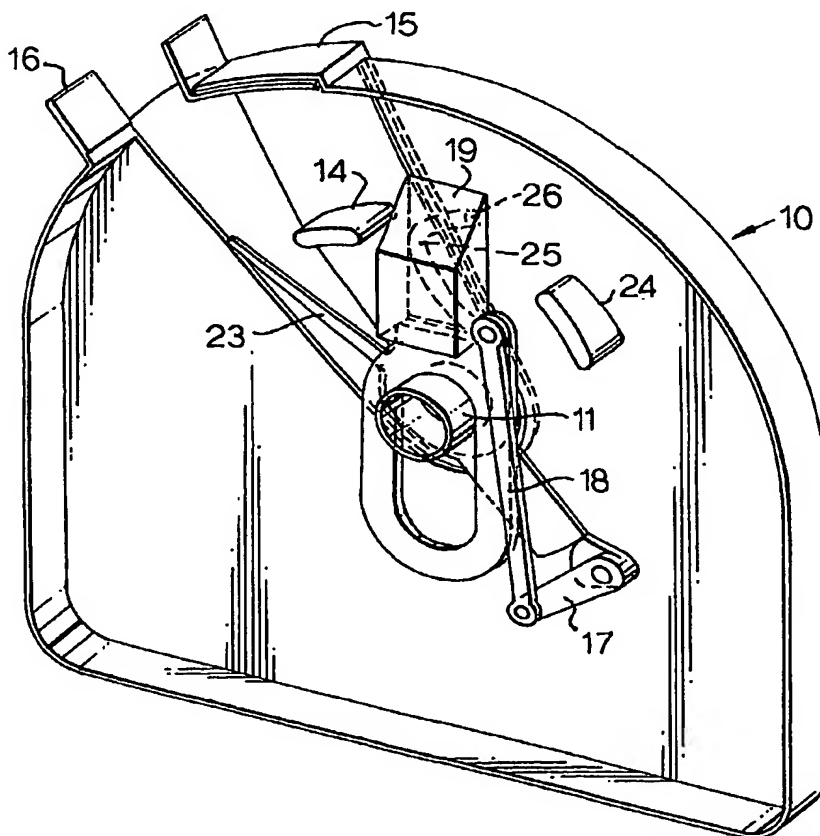
Dansom Lane, Hull HU8 7DS (GB). **SHEARSMITH, Phil**  
[GB/GB]; Reckitt Benckiser Corporate Services Limited,  
Dansom Lane, Hull HU8 7DS (GB). **JOWETT, Louise**  
[GB/GB]; Reckitt Benckiser Corporate Services Limited,  
Dansom Lane, Hull HU8 7DS (GB). **PREUSCHEN,**  
**Judith [DE/DE];** Reckitt Benckiser Produktions GmbH,  
Benckiser Platz 1, 67059 Ludwigshafen (DE). **WIEDE-**  
**MANN, Ralf [DE/DE];** Reckitt Benckiser Produktions  
GmbH, Benckiser Platz 1, 67059 Ludwigshafen (DE).

(74) Agents: **BOWERS, Craig, M. et al.;** Reckitt Benckiser  
plc, Group Patents Department, Dansom Lane, Hull HU8  
7DS (GB).

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**CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,**  
**GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,**  
**LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,**  
**MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,**

[Continued on next page]

(54) Title: **DISHWASHER UNIT DOSE DETERGENT DISPENSER**



(57) Abstract: The present invention is directed to a device for receiving and holding a plurality of unit doses (2) of a detergent composition and/or additive and for individually dispensing said unit doses into an automatic dishwashing machine over a plurality of washing cycles, wherein the device comprises (i) a housing (10) adapted to receive said plurality of unit doses (2) each separately contained in a package or compartment (4) thereof, (ii) means (15, 16, 17, 18, 19) for opening said package or compartment or for at least partly ejecting said unit dose (2) therefrom; and (iii) means (20, 21, 27, 28) to allow access of water or wash liquor to said unit doses (2) contained in the opened package or compartment (4) or ejected therefrom within a controlled time period after opening thereof to allow dissolution of the unit dose (2) into the water or wash liquor of the machine, as well as to a blister pack (1) for use therewith.



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VC, VN, YU, ZA, ZM, ZW.

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## INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A47L15/44 C11D17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47L C11D B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 838 637 A (LADEN S A) 22 June 1960 (1960-06-22) page 1, line 8 - line 12 page 1, line 84 -page 2, line 31; figure 4	1,9-11
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Y	DE 43 44 205 A (AWECO KUNSTSTOFFTECH GERAETE) 29 June 1995 (1995-06-29) cited in the application column 3, line 26 - line 27; figures 1,2	8
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

26 September 2003

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European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Papadimitriou, S

## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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# INTERNATIONAL SEARCH REPORT

national application No.  
PCT/GB 03/00921

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-11

device for tow-stage dishwasher detergent dispensation

2. Claims: 12-14

Blister pack for detergent unit doses.

3. Claims: 12,15,16

Dishwasher detergent

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/00921

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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